

XINGHANG

Smart Metering



Built on Innovation For Water Saving



Application Standards

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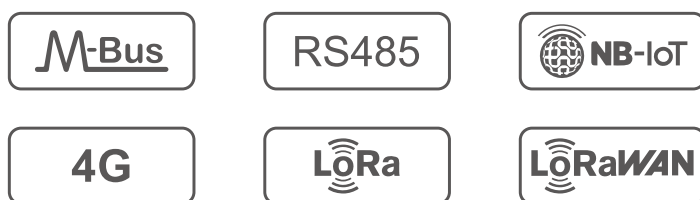
LXC-15E-20E

Application

LXC-15E-20E designed for remote control water supply requirement for households, blocks of flats and for industrial by brass valve inbuilt shut off and open.

- M-BUS/RS485 Protocol: *EN13757*
- Modbus Baud Option: *2400 or 9600*
- LoRa/LoRaWAN Frequency Rate:
868MHz, 915MHz, 902MHz, 920MHz, etc

Communication

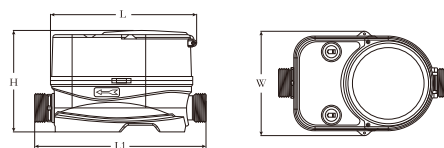


Feature Highlights

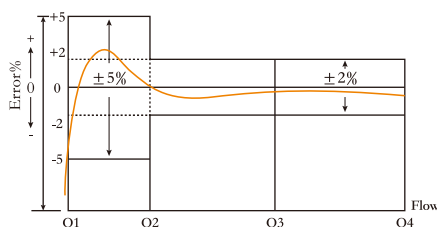
- Max battery life 15 years
- Exceptional IP68 proof
- Install in any position
- No air measuring
- Detecting pipe leaks
- Valve shut off control function

Dimensions

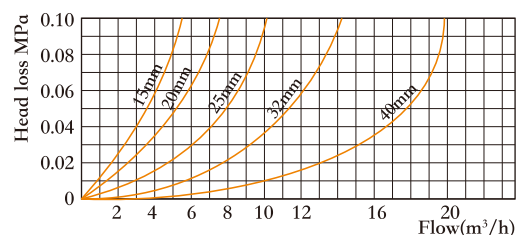
Nominal Diameter (mm)	DN15	DN20
Thread	G3/4B	G1B
L (mm)	165	195
H (mm)	98.2	98.2
W (mm)	102	102



Error Curve



Head Loss Curve





Main Technical Specifications

	DN15	DN20
$Q_4(Q_{\text{overflow}})\text{m}^3/\text{h}$	3.125	5
$Q_3(Q_{\text{max/permanent}})\text{m}^3/\text{h}$	2.5	4
$Q_2(Q_{\text{transitional}})\text{m}^3/\text{h}$	0.016	0.0256
$Q_1(Q_{\text{min}})\text{m}^3/\text{h}$	0.010	0.016
Start Flow Rate m^3/h	0.002	0.002
Dynamic Range	R250	
Standard	ISO4064 / OIML R49	
Measured Medium	Water	
Metrological Class	Class 2	
Battery	3.6V, Li-battery ER26500(Default) / ER34615	
Battery Life	≥ 10 Years	
Consumption	$< 0.2\text{mW}$	
Pressure Loss	$\Delta p40$	
EMC	E1	
Environmental Classification	Class B	
Protection Class	IP68	
Medium Temperature	T30/T50	
Storage Temperature	$-25\sim 55^\circ\text{C}$	
MAP	PN16	
Accuracy	$\pm 5\%$ in range $Q_1 \leq Q < Q_2$	
	$\pm 2\%$ in range $Q_2 \leq Q \leq Q_4$	
Material	Brass 59-1	
The Installation Sensivity	U0/D0	
Climatic and Mechanical	M1	
Key-press	Touch control technology	
Display	LCD 8 digit + prompt	
Menu Contents	Instantaneous flow (m^3/h), cumulative flow (m^3), full screen display, meter address, cumulative working time (h), date (year/month/day), caliber, software version	
Display Range	Total flow : $0\text{m}^3 \sim +99999.999\text{m}^3$	
Communication	Optical Port, LoRaWAN, M-BUS, RS-485, LoRa RF, NB-IoT, 4G (CAT 1)	
Display and Indication	Unit: $\text{L}/\text{m}^3/\text{Gal}$ (optional)	
Data Storage	84 months	



Installation Position

